

History and Status of Los Angeles Water Board Initiatives to Improve Beach Water Quality

Item 11

State Water Board Meeting

Los Angeles, Calif.

October 2, 2007

2001 Update of Bacteria Standards

- US EPA's CWA section 304(a) recommended water quality criteria
- CA Dept. of Health Services *minimum protective bacteriological standards* for public water contact sports areas

Assembly Bill No. 411

CHAPTER 765

An act to amend Sections 115880, 115885, and 115915 of the Health and Safety Code, relating to public beaches.

[Approved by Governor October 7, 1997. Filed with Secretary of State October 8, 1997.]

LEGISLATIVE COUNSEL'S DIGEST

AB 411, Wayne. Beach sanitation: posting. Existing law requires the State Department of Health Services to adopt regulations establishing minimum standards for the sanitation of public beaches. Violation of these regulations adopted by the department is a crime.

regulations to require the testing of public beaches, as defined, for coliform bacteria, but not limited to, total coliform bacteria, fecal coliform bacteria, and fecal streptococci bacteria, to establish a system of monitoring sites and to require the posting of public beaches, but not limited to, the posting of public beaches, and to require that public beaches be tested for microbiological quality, but not limited to, total coliform, fecal coliform, and fecal streptococci, on a weekly basis from April 1 to October 31, if certain conditions are met. By this bill, this bill would impose a

variation of sufficient funds, require the State Department of Health Services to establish a system of monitoring sites for testing waters adjacent to public beaches. This bill would require the State Department of Health Services to establish the waters adjacent to a public beach, in the event of a known untreated sewage release that is not immediately closed, an untreated sewage release that is not immediately closed by the local health officer to immediately close the beach, and to require that the local health officer to immediately close the beach with the standards. By increasing the funding, this bill would impose a

officer having jurisdiction of the beach to close, or restrict the use of, the beach, or restrict the use of, the beach, or restrict the use of, the beach, or restrict the use of, the beach.

United States Environmental Protection Agency

Office of Water Regulations and Standards Criteria and Standards Division Washington, DC 20460

EPWA409-36-002 January 1986

Water

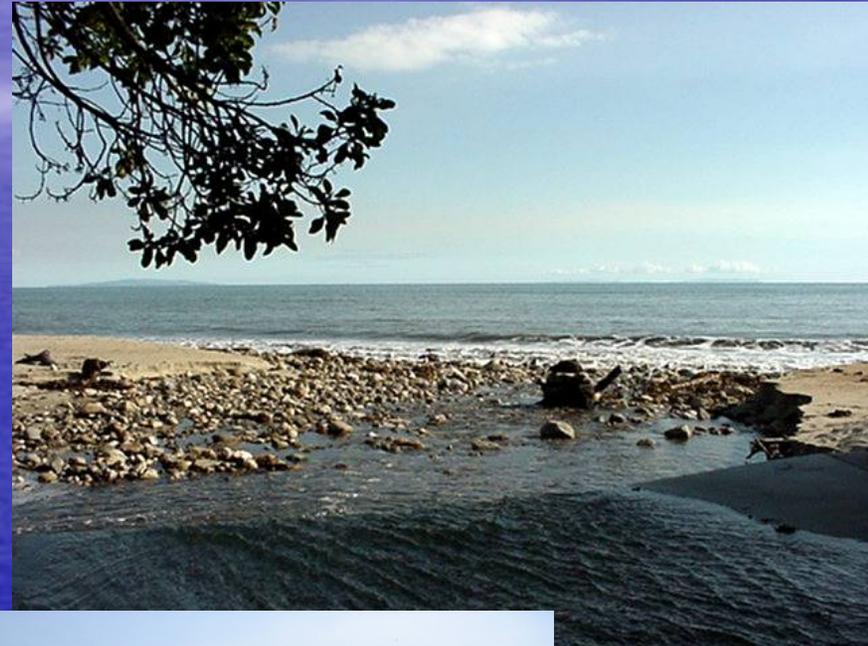
EPA

Ambient Water Quality Criteria for Bacteria - 1986



2002 Implementation Provisions

*Reference System/
Anti-degradation
Approach*



*Natural Sources
Exclusion
Approach*



Bacteria TMDLs to Restore Beach Water Quality

- Five Adopted TMDLs

- 2002 ... 44 Santa Monica Bay beaches

- 2003 ... Marina del Rey Harbor Mother's Beach and Back Basins (empties to SMB)

- 2004 ... Inner Cabrillo Beach, Los Angeles Harbor

- 2004 ... Malibu Creek and Lagoon (tributary to SMB)

- 2006 ... Ballona Creek and Estuary (tributary to SMB)

- Upcoming TMDLs

- 2007 ... Ventura Harbor Beaches

Implementation of Bacteria TMDLs

- Comprehensive Shoreline Monitoring Plans
 - Additional monitoring points
 - Year-round monitoring
 - Shoreline monitoring moved to point of compliance = wave wash
- Implementation Plans
 - Incentive to use an Integrated Water Resources Approach = Longer implementation schedule

Incorporation of TMDLs into Permits

- Summer Dry Weather WLAs incorporated into Los Angeles County MS4 permit
 - 2006 ... Santa Monica Bay beaches
 - 2007 ... Marina del Rey Harbor Mothers' Beach and Back Basins
- Method of Incorporation
 - Receiving Water Limits = Bact. Objectives for REC1
 - Prohibition on summer dry weather discharges from MS4 to receiving water that cause or contribute to an exceedance of the Receiving Water Limits

Implementation Deadlines

- Summer Dry Weather Compliance deadlines
 - July 15, 2006 - Santa Monica Bay beaches
 - April 1, 2007 - Marina del Rey Harbor
Mothers' Beach
- Upcoming
 - April 1, 2010 - Inner Cabrillo Beach

Status of Compliance

- Majority of beaches < 5 exceedances during 2007 summer dry weather period
- 8 beaches > 5 days of exceedance
 - Santa Monica Beach: Santa Monica Pier & Pico-Kenter Storm Drain
 - Marina del Rey Harbor Mothers' Beach
 - Marie Canyon @ Puerco Beach
 - Castlerock Beach
 - Redondo Municipal Pier

Beaches at mouth of large freshwater creeks:

- Dockweiler Beach at Ballona Creek mouth
- Surfrider Beach at Malibu Creek mouth
- Topanga Beach at Topanga Creek mouth

Completed and Planned Projects

Operational:

- Mothers' Beach
 - Water circulators; surface runoff diversion completed Aug. 2007
- Marie Canyon Clear Creek UV system – operational Sept.
- Castlerock/Parker Mesa Drain LFD – operational Apr. 10th

Planned:

- Santa Monica Pier & Pico-Kenter Storm Drain
 - Heal the Bay study/ Psomas study
 - Storm Drain upgrades to be completed by 2008/early 2009
- Marina del Rey LFD

Special Studies

- Reference System Study
- Redondo Municipal Pier Source Tracking and Identification (CSDLAC)
- Ramirez/Escondido Creek Source Tracking and Identification (LAC BOS)
- Epidemiological Studies – Doheny, Avalon, Surfrider (SCCWRP)